

IN THE CLAIMS:

Please amend Claims 55-58, 63-66, and 71-78 as follows.

1. - 54. (Cancelled)

55. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

first authentication processing means for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

first discrimination means for discriminating whether an operation unit of said image processing device is setting information for a first function of said image processing device ~~is being operated by an operation unit of said image processing device;~~

display information transmission means for transmitting, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing means and based on a discrimination result by said first discrimination means;

second authentication processing means for performing an authenticating process by reading authentication information about a card inserted into said image processing device; and

second discrimination means for discriminating whether said information processing device is setting information for a second function of the image processing device ~~is being operated by said information processing device,~~

wherein when a request from the operation unit of said image processing device is recognized based on the authentication result by said second authentication processing means and based on a result by said second discrimination means, said image processing device becomes operable by the operation unit,

wherein the first function and the second function are different than said authenticating processes performed by said first and second authentication processing means.

56. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

first authentication input means for inputting, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;

second authentication input means for inputting authentication information input from an operation unit of said image processing device or a card reader;

authentication processing means for performing an authenticating process according to authentication information input by said first authentication input means or said second authentication input means, and authentication information in said image processing device;

discrimination means for discriminating whether the operation unit of said image processing device is setting information for a first function of the said image processing device is being operated by an operation unit of said image processing device; and

display information transmission means for transmitting, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing means and based on a discrimination result by said discrimination means,

wherein, when the authentication information input by said first or second authentication input means is authenticated by said authentication processing means and said image processing device determines that ~~matches an operation on setting information~~ for a second function of said image processing device is being set ~~being performed~~ in said image processing device, the operation in the operation unit or the request from the information processing device is accepted based on the authentication result by said authentication processing means,

wherein the first function and the second function are different than said authenticating processes performed by said authentication processing means.

57. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

first authentication processing means for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

display information transmission means for transmitting, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing means; and

second authentication processing means for performing an authenticating process according to authentication information input by an operation unit of said image processing device or a card reader,

wherein when a request ~~to operate on setting information for a function of said image processing device~~ from the operation unit to set a function of said image processing device is accepted based on an authentication result by said second authentication processing means, a request to operate the image processing device from the information processing device is not accepted,

wherein the function of said image processing device requested to be set by the operation unit is different than said authenticating processes performed by said first and second authentication processing means,

wherein the request to operate the image processing device from the information processing device relates to a function different than said authentication processes performed by said first and second authentication processing means.

58. (Currently Amended) An image processing device which can be connected to an information processing device, said device comprising:

first authentication processing means for performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

display information transmission means for transmitting, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing means; and

second authentication processing means for performing an authenticating process by reading authentication information input by an operation unit of said image processing device or a card reader,

wherein when a request to ~~set~~ ~~operate on setting information~~ for a function of said image processing device from the information processing device is accepted based on an authentication result by said first authentication processing means, a request to operate said image processing device from the operation unit is not accepted,

wherein the function of said image processing device requested to be set from the information processing device and the operation of said image processing device requested to be performed from the operation unit are different than said authenticating processes performed by said first and second authentication processing means.

59. (Previously Presented) The image processing device according to Claim 55, wherein said first authentication processing means and said second authentication processing means perform an authenticating process on the same authentication information as authentication information set in said image processing device.

60 (Previously Presented) The image processing device according to Claim 55, further comprising:

identification information transmission means for issuing identification information to the information processing device when a request from the information processing device is recognized based on an authentication result by said first authentication processing means, and transmitting the identification information from said image processing device to the information processing device; and

determination means for determining, in response to a request from the information processing device whether or not the identification information transmitted by said identification information transmission means is added to the request,

wherein, when said determination means determines that the identification information is added, said display information transmission means transmits the display information without an authenticating process by said first authentication processing means.

61. (Previously Presented) The image processing device according to Claim 55, wherein the display information is described in an HTML document, and

the request from the information processing device and the display information are transmitted and received according to an HTTP protocol.

62. (Previously Presented) The image processing device according to Claim 56, further comprising:

conversion means for converting a request for authentication input by said first authentication input means and a request for authentication input by said first second authentication input means into a format interpretable by said authentication processing means.

63. (Currently Amended) An information processing method for use by an image processing device which can be connected to an information processing device, said method comprising:

a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

a first discrimination step for discriminating whether an operation unit of said image processing device is setting information for a first function of said image processing device ~~is being operated by an operation unit of said image processing device;~~

a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said first authentication processing step and based on a discrimination result by said discrimination step;

a second authentication processing step, of performing an authenticating process by reading authentication information about a card inserted into the image processing device; and

a second discrimination step for discrimination whether said information processing device is setting information for a second function of the image processing device ~~is being operated by said information processing device, and~~

wherein when a request from the operation unit of the image processing device is recognized based on an authentication result in said second authentication processing step and based on the discrimination result of said second discrimination step, the image processing device becomes operable by the operation unit,

wherein the first function and the second function are different than said authenticating processes performed by said first and second authentication processing steps.

64. (Currently Amended) An information processing method for use by an image processing device which can be connected to an information processing device, said method comprising:

a first authentication input step, of inputting, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;

a second authentication input step, of inputting authentication information input from an operation unit of the image processing device or a card reader;

an authentication processing step, of performing an authenticating process according to authentication information input in said first authentication input step or said second authentication input step, and authentication information in the image processing device; and

a discrimination step for discriminating whether the operation unit of said image processing device is setting information for a first function of said image processing device ~~is being operated by an operation unit of said image processing device; and~~

a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the information processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said authentication processing step and based on a discrimination result by said discrimination step,

wherein, when the authentication information input by said first or second authentication input steps is authenticated by said authentication processing step and said image processing device determines that ~~matches an operation on setting information for a~~ second function of said image processing device is being set ~~being performed~~ in the image processing device, the operation in the operation unit or the request from the information processing device is accepted based on an authentication result in said authentication processing step,

wherein the first function and the second function are different than said authenticating processes performed by said authentication processing step.

65. (Currently Amended) An information processing method for use by an image processing device which can be connected to an information processing device, said method comprising:

a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

a display information transmission step, of transmitting, from the image processing device to the image processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said authentication processing step; and

a second authentication processing step, of performing an authenticating process according to authentication information input by an operation unit of the image processing device or a card reader,

wherein, when a request ~~to operate on setting information for a function of the image processing device~~ from the operation unit to set a function of said image processing device is accepted based on an authentication result in said second authentication processing step, a request to operate the image processing device from the information processing device is not accepted,

wherein the function of said image processing device requested to be set by the operation unit is different than said authenticating processes performed by said first and second authentication processing steps.

wherein the request to operate the image processing device from the information processing device relates to a function different than said authentication processes performed by said first and second authentication processing steps.

66. (Currently Amended) An information processing method for use by an image processing device which can be connected to an information processing device, said method comprising:

a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said first authentication processing step; and

a second authentication processing step, of performing an authenticating process by reading authentication information input by an operation unit of the image processing device or a card reader,

wherein, when a request to ~~set~~ operate on ~~setting information~~ for a function of the image processing device from the information processing device is accepted based on

an authentication result in said first authentication processing step, a request to operate the image processing device from the operation unit is not accepted,

wherein the function of said image processing device requested to be set from the information processing device and the operation of said image processing device requested to be performed from the operation unit are different than said authenticating processes performed by said first and second authentication processing steps.

67. (Previously Presented) The image processing method according to Claim 63, wherein

said first authentication processing step and said second authentication processing step include performing an authenticating process on the same authentication information as authentication information set in the image processing device.

68. (Previously Presented) The image processing method according to Claim 63, further comprising:

an identification information transmission step, of issuing identification information to the information processing device when a request from the information processing device is recognized based on an authentication result in said first authentication processing step, and transmitting the identification information from the image processing device to the information processing device; and

a determination step, of determining, in response to a request from the information processing device whether or not the identification information transmitted in said identification information transmission step is added to the request,

wherein, when said determination step determines that the identification information is added, said display information transmission step transmits the display information without an authenticating process in said first authentication processing step.

69. (Previously Presented) The image processing method according to Claim 63, wherein the display information is described in an HTML document, and the request from the information processing device and the display information are transmitted and received according to an HTTP protocol.

70. (Previously Presented) The image processing method according to Claim 64, further comprising a conversion step, of converting a request for authentication input in said first authentication input step and a request for authentication input in said second authentication input step into a format interpretable in said authentication processing step.

71. (Currently Amended) A computer-readable storage medium storing a control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device, said program comprising:

code for a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

code for a discrimination step for discriminating whether an operation unit of said image processing device is setting information for a first function of said image processing device ~~is being operated by an operation unit of said image processing device;~~

code for a display information transmission step, of transmitting, from the image processing device to the image processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said first authentication processing step and based on a discrimination result by said first discrimination step;

code for a second authentication processing step, of performing an authenticating process by reading authentication information about a card inserted into the image processing device, and

code for a second discrimination step for second discrimination means for discriminating whether said information processing device is setting information for a second function of the image processing device ~~is being operated by said information processing device,~~

wherein, when a request from an operation unit of the image processing device is recognized based on the authentication result in said second authentication

processing step and based on the discrimination result of said second discrimination step, the image processing device becomes operable by the operation unit.

wherein the first function and the second function are different than said authenticating processes performed by said first and second authentication processing steps.

72. (Currently Amended) A computer-readable storage medium storing a control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device, said program comprising:

code for a first authentication input step, of inputting, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;

code for a second authentication input step, of inputting authentication information input from an operation unit of the image processing device or a card reader;

code for an authentication processing step, of performing an authenticating process according to authentication information input in said first authentication input step or said second authentication input step, and authentication information in the image processing device;

code for a discrimination step for discriminating whether the operation unit of said image processing device is setting information for a first function of said image

processing device ~~is being operated by an operation unit of said image processing device;~~
and

code for a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the information processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said authentication processing step and based on a discrimination result by said discrimination step,

wherein, when the authentication information input by said first or second authentication input steps is authenticated by said authentication processing step and said image processing device determines that ~~matches an operation on setting information for a~~ second function of said image processing device is being set performed in the image processing device, the operation in the operation unit or the request from the information processing device is accepted based on an authentication result in said authentication processing step,

wherein the first function and the second function are different than said authenticating processes performed by said authentication processing step.

73. (Currently Amended) A computer-readable storage medium storing a control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device, program comprising:

code for a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

code for a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said authentication processing step; and

code for a second authentication processing step, of performing an authenticating process according to authentication information input by an operation unit of the image processing device or a card reader,

wherein, when a request ~~to operate on setting information for a function of the image processing device~~ from the operation unit to set a function of said image processing device is accepted based on an authentication result in said second authentication processing step, a request to operate the image processing device from the information processing device is not accepted,

wherein the function of said image processing device requested to be set by the operation unit is different than said authenticating processes performed by said first and second authentication processing steps.

wherein the request to operate the image processing device from the information processing device relates to a function different than said authentication processes performed by said first and second authentication processing steps.

74. (Currently Amended) A computer-readable storage medium storing a control program for controlling an information processing method for use by an image processing device which can be connected to an information processing device, said program comprising:

code for a first authentication processing step, of performing, in response to a request from the information processing device, an authenticating process according to authentication information from the information processing device for authenticating the request;

code for a display information transmission step, of transmitting, from the image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about the image processing device when a request from the information processing device is recognized based on an authentication result in said authentication processing step;

code for a second authentication processing step, of performing an authenticating process by reading authentication information input by an operation unit of the image processing device or a card reader,

wherein, when a request to ~~set operate on setting information~~ for a function of the image processing device from the information processing device is accepted based on an authentication result in said first authentication processing step, a request to operate the image processing device from the operation unit is not accepted,

wherein the function of said image processing device requested to be set from the information processing device and the operation of said image processing device requested to be performed from the operation unit are different than said authenticating processes performed by said first and second authentication processing steps.

75. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

a first authentication processing unit adapted to, in response to a request from the information processing device, authenticate the request in accordance with authentication information from the information processing device;

a first discrimination unit for discriminating whether an operation unit of said image processing device is setting information for a first function of said image processing device ~~is being operated by an operation unit of said image processing device;~~

a display information transmission unit adapted to transmit, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when the request from the information processing device is

recognized based on an authentication result by said authentication processing unit and based on a discrimination result by said first discrimination unit;

a second authentication processing unit adapted to perform an authenticating process by reading authentication information about a card inserted into said image processing device; and

a second discrimination unit for discriminating whether said information processing device is setting information for a second function of the image processing device ~~is being operated by said information processing device,~~

wherein, when a request from the operation unit of said image processing device is recognized based on the authentication result by said second authentication processing unit and based on a result by said second discrimination unit, said image processing device becomes operable by the operation unit,

wherein the first function and the second function are different than said authenticating processes performed by said first and second authentication processing units.

76. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

a first authentication unit adapted to input, in response to a request from the information processing device, authentication information from the information processing device for authenticating the request;

a second authentication unit adapted to input authentication information input from an operation unit of the image processing device or a card reader;

an authentication processing unit adapted to perform an authenticating process according to authentication information input by said first authentication input unit or said second authentication input unit, and authentication information in said image processing device; and

a discrimination unit for discriminating whether the operation unit of said image processing device is setting information for a first function of the said image processing device is being operated by an operation unit of said image processing device;

a display information transmission unit adapted to transmit, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing unit and based on a discrimination result by said discrimination means,

wherein when the authentication information input by said first or second authentication input unit is authenticated by said authentication processing unit and said image processing device determines that matches an operation on setting information for a second function of said image processing device is being set performed in said image processing device, the operation in the operation unit or the request from the information processing device is accepted based on the authentication result by said authentication processing unit,

wherein the first function and the second function are different than said authenticating processes performed by said authentication processing unit

77. (Currently Amended) An image processing device which can be connected to an information processing device, said image processing device comprising:

an authentication processing unit adapted to, in response to a request from the information processing device, authenticate the request in accordance with authentication information from the information processing device;

a display information transmission unit adapted to transmit, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing unit; and

a second authentication processing unit adapted to perform an authenticating process according to authentication information input by an operation unit of said image processing device or a card reader,

wherein when a request ~~to operate on setting information for a function of said image processing device~~ from the operation unit to set a function of said image processing device is accepted based on an authentication result by said second authentication processing unit, a request to operate the image processing device from the information processing device is not accepted,

wherein the function of said image processing device requested to be set by the operation unit is different than said authenticating processes performed by said first and second authentication processing units,

wherein the request to operate the image processing device from the information processing device relates to a function different than said authentication processes performed by said first and second authentication processing units.

78. (Currently Amended) An image processing device which can be connected to an information processing device, said device comprising:

a first authentication processing unit adapted to, in response to a request from the information processing device, authenticate the request in accordance with authentication information from the information processing device;

a display information transmission unit adapted to transmit, from said image processing device to the information processing device, display information describing screen contents for operating the image processing device by presenting information about said image processing device when a request from the information processing device is recognized based on an authentication result by said authentication processing unit;

a second authentication processing unit adapted to perform an authenticating process by reading authentication information input by an operation unit of said image processing device or a card reader,

wherein when a request to ~~set~~ operate on setting information for a function of said image processing device from the information processing device is accepted based on

an authentication result by said first authentication processing unit, a request to operate said image processing device from the operation unit is not accepted,

wherein the function of said image processing device requested to be set from the information processing device and the operation of said image processing device requested to be performed from the operation unit are different than said authenticating processes performed by said first and second authentication processing units.

79. (Previously Presented) The image processing device according to Claim 75, wherein said first authentication processing unit and said second authentication processing unit perform an authenticating process on the same authentication information as authentication information set in said image processing device.

80. (Previously Presented) The image processing device according to Claim 75, further comprising:

an identification information transmission unit adapted to issue identification information to the information processing device when a request from the information processing device is recognized based on an authentication result by said first authentication processing unit, and transmit the identification information from said image processing device to the information processing device; and

a determination unit adapted to determine, in response to a request from the information processing device whether or not the identification information transmitted by said identification information transmission unit is added to the request,

wherein, when said determination unit determines that the identification information is added, said display information transmission unit transmits the display information without an authenticating process by said first authentication processing unit.

81. (Previously Presented) The image processing device according to Claim 75, wherein the display information is described in an HTML document, and the request from the information processing device and the display information are transmitted and received according to an HTTP protocol.

82. (Previously Presented) The image processing device according to Claim 76, further comprising:
a conversion unit adapted to convert a request for authentication input by said first authentication input unit and a request for authentication input by said second authentication input unit into a format interpretable by said first authentication processing unit.